



SYSTEMATICS AND BIOGEOGRAPHY OF THE SUBCLASS CORALLINOPHYCIDEAE (RHODOPHYTA) FROM THE ATLANTIC OCEAN

RAFAEL RIOSMENA RODRIGUEZ, GAVIN W. MANEVELDT, PAULO HORTA & MARCIA FIGUEIREDO (EDS)

5. **The genus *Ellisolandia* (Corallinaceae, Corallinales, Rhodophyta) in the Azores (NE Atlantic): character expression and taxonomic evaluation**
RUBEN P. COUTO, EDGAR F. ROSAS-ALQUICIRA, ARMINDO S. RODRIGUES & ANA I. NETO
17. **Floristic composition of crustose coralline algae from the St. Peter and St. Paul Archipelago, a summit of the Mid-Atlantic Ridge**
THALITA MENDES CRESPO, RICARDO DA GAMA BAHIA, GAVIN WILLIAM MANEVELDT & GILBERTO MENEZES AMADO FILHO
38. ***Porolithon improcerum* (Porolithoideae, Corallinaceae) and *Mesophyllum macroblastum* (Melobesioideae, Hapalidiaceae): new records of crustose coralline red algae for the Southwest Atlantic Ocean**
RICARDO DA GAMA BAHIA, GILBERTO MENEZES AMADO FILHO, JONAS AZEVEDO & GAVIN WILLIAM MANEVELDT
45. **Diversity and Distribution of articulated Coralline algae (Rhodophyta, Corallinales) of the Atlantic coast of Mexico**
A. CATALINA MENDOZA-GONZÁLEZ, LUZ ELENA MATEO-CID, DEISY YAZMIN GARCÍA-LÓPEZ & JULIO ADULFO ACOSTA-CALDERÓN
64. ***Neogoniolithon* (Corallinales, Rhodophyta) on the Atlantic coast of Mexico, including *N. siankanensis* sp. nov.**
LUZ ELENA MATEO-CID, A. CATALINA MENDOZA-GONZÁLEZ & PAUL W. GABRIELSON
94. **Systematic position of *Paulsilvella* in the Lithophylloideae (Corallinaceae, Rhodophyta) confirmed by molecular data**
BEATRIZ N. TORRANO-SILVA, RAFAEL RIOSMENA-RODRIGUEZ & MARIANA C. OLIVEIRA
112. **Lithophylloideae and Mastophoroideae (Corallinales, Rhodophyta) from the Brazilian continental shelf**
MARIA CAROLINA HENRIQUES, RAFAEL RIOSMENA-RODRÍGUEZ, LUANA MIRANDA COUTINHO & MARCIA A. O. FIGUEIREDO
130. **Taxonomic study of crustose coralline algae off the northeastern Brazilian coast**
IARA OLIVEIRA COSTA, PAULO ANTUNES HORTA, ELLIE R BERGSTROM, JOSÉ MARCOS DE CASTRO NUNES
162. **New Insights into the Genus *Lithophyllum* (Lithophylloideae, Corallinaceae, Corallinales) from Deepwater Rhodolith Beds Offshore the NW Gulf of Mexico**
J. L. RICHARDS, P. W. GABRIELSON & S. FREDERICQ

176. **DNA barcoding allows the accurate assessment of European maerl diversity: a Proof-of-Concept study**
BELÉN CARRO, LUA LOPEZ, VIVIANA PEÑA, IGNACIO BÁRBARA & RODOLFO BARREIRO
190. **First assessment of the diversity of coralline species forming maerl and rhodoliths in Guadeloupe, Caribbean using an integrative systematic approach**
VIVIANA PEÑA, FLORENCE ROUSSEAU, BRUNO DE REVIERS & LINE LE GALL
216. **Taxonomic review based on new data of the reef-building alga *Porolithon onkodes* (Corallinales, Rhodophyta) along with other taxa found to be conspecific**
GAVIN W. MANEVELDT & DEREK W. KEATS
250. **Composition and Distribution of Deep Water Macroalgae Species from the Continental Shelf of Sergipe State, Brazil**
SONIA MARIA BARRETO PEREIRA, JULIANA TORRES, & LÍCIA MÔNICA DE SOUZA GESTINARI
268. **The genus *Melobesia* (Corallinales, Rhodophyta) from the subtropical South Atlantic, with the addition of *M. rosanoffii* (Foslie) Lemoine**
VANESSA POLETTO BORGES, EDUARDO BASTOS, MANUELA BERNARDES BATISTA, ZENILDA BOUZON, CINTIA LHULLIER, EDER CARLOS SCHMIDT, MARINA NASRI SISSINI & PAULO ANTUNES HORTA
277. **Nongeniculate coralline red algae (Rhodophyta: Corallinales) in coral reefs from Northeastern Brazil and a description of *Neogoniolithon atlanticum* sp. nov.**
FREDERICO T.S. TÂMEGA, RAFAEL RIOSMENA-RODRIGUEZ, RODRIGO MARIATH & MARCIA A.O. FIGUEIREDO
299. ***Mesophyllum erubescens* (Corallinales, Rhodophyta)—so many species in one epithet**
MARINA N. SISSINI, MARIANA C. OLIVEIRA, PAUL W. GABRIELSON, NÉSTOR M. ROBINSON, YURI B. OKOLODKOV, RAFAEL RIOSMENA RODRÍGUEZ & PAULO A. HORTA
320. **Three deep water species of *Sporolithon* (Sporolithales, Rhodophyta) from the Brazilian continental shelf, with the description of *Sporolithon elevatum* sp. nov**
MARIA CAROLINA HENRIQUES, LUANA MIRANDA COUTINHO, RAFAEL RIOSMENA-RODRÍGUEZ, MARIA BEATRIZ BARROS-BARRETO, SAMIR KHADER & MARCIA A. O. FIGUEIREDO
331. **Analysis of the *cox2-3* spacer region for population diversity and taxonomic implications in rhodolith-forming species (Rhodophyta: Corallinales)**
JAZMÍN J. HERNÁNDEZ-KANTÚN, RAFAEL RIOSMENA-RODRIGUEZ, WALTER H. ADEY & FABIO RINDI
355. ***Lithophyllum* species from Brazilian coast: range extension of *Lithophyllum margaritae* and description of *Lithophyllum atlanticum* sp. nov. (Corallinales, Corallinophycidae, Rhodophyta)**
TALITA VIEIRA-PINTO, MARIANA C. OLIVEIRA, JANAYNA BOUZON, MARINA SISSINI, JOSEPH L. RICHARDS, RAFAEL RIOSMENA-RODRÍGUEZ & PAULO A. HORTA
370. **Rhodolith forming coralline algae in the Upper Miocene of Santa Maria Island (Azores, NE Atlantic): a critical evaluation**
ANA CRISTINA REBELO, MICHAEL W. RASSER, RAFAEL RIOSMENA-RODRÍGUEZ, ANA ISABEL NETO & SÉRGIO P. ÁVILA